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William F. Weld
Governor

Thomas C. Rapone
Secretary

The Commonwealth of Massachusetts
Department of Public Safety
Division of Fire Prevention
1010 Commonwealth Avenue
Boston, MA 02215-1201
Phone (617) 566-4500

William McCabe
Commissioner

Joseph A. O'Keefe, Sr., PE
State Fire Marshal

UMASS/AMHERST
312066 0281 6248 9

MOTOR VEHICLE FIRES IN MASSACHUSETTS
1990

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MOTOR VEHICLE FIRES IN MASSACHUSETTS

IN 1990

In 1990, 8,056 Massachusetts motor vehicle fires resulted in 17 civilian deaths, 76 civilian injuries, 115 fire service injuries, and an estimated dollar loss of $24,763,665. Motor vehicle fires accounted for 29.2% of the reported fire incidents. A motor vehicle fire is defined as any outside fire involving a car, truck, boat, airplane, construction equipment or other mobile property. The number of reported motor vehicle fires decreased by 1,650, or 17%, from the 9,706 reported in 1989. Three (3) of the fire deaths resulted from 2 airplane crashes.

The Massachusetts Fire Incident Reporting System had identified motor vehicle arson as a major problem by 1986. The number of motor vehicle fires exceeded the number of structure fires until 1989.

In August of 1987, the Burned Motor Vehicle Reporting Law took effect. This law requires owners of burned motor vehicles to appear in person at fire headquarters in the community in which the fire occurred to complete a report. This report must be filed with the insurance carrier before the claim can be paid.

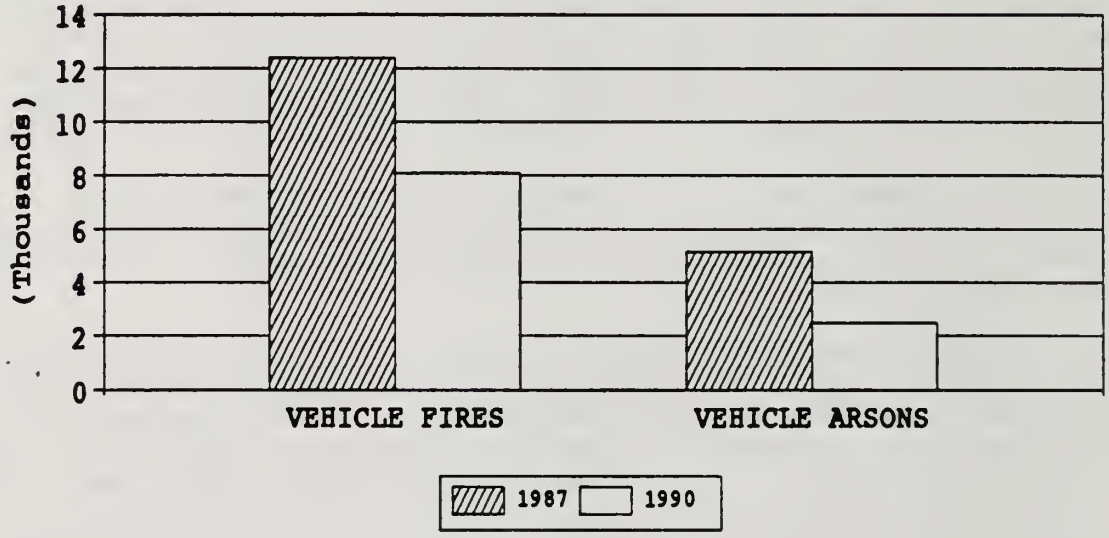
The table below demonstrates the effectiveness of this law. The rates of vehicle fires per 1,000 population were calculated using 1990 population figures. All population figures used in this report were obtained from "The 1990 Final Census Counts for Massachusetts Cities and Towns" published by the Massachusetts Institute for Social and Economic Research's State Data Center.

YEAR	VEHICLE FIRES	FIRE RATE/ 1,000 POP	VEHICLE ARSONS	PER CENT ARSON
1985	11,767	1.96	5,031	42.8%
1986	12,171	2.02	5,514	45.3%
1987	12,395	2.06	5,116	41.3%
	NO 1988 DATA AVAILABLE			
1989	9,706	1.61	3,089	31.8%
1990	8,056	1.34	2,463	30.6%

Motor vehicle fires, motor vehicle arsons and the per cent of motor vehicle fires attributed to arson declined markedly since 1987. The total number of motor vehicle fires decreased by 35% from 1987 to 1990, and motor vehicle arsons decreased by 51.9% during the same time period. For purposes of this analysis, a fire is considered arson when the fire department reports that the ignition factor is incendiary or suspicious.

For more information, please refer to the table "Motor Vehicle Fires in 1987 and 1990" in the Appendix which lists the number of motor vehicle fires in these two years, the change from 1987 to 1990, the population of the community, and the rate of motor vehicle fires per 1,000 population.

The graph below illustrates the drop in motor vehicle fires and motor vehicle arson from 1987 to 1990.



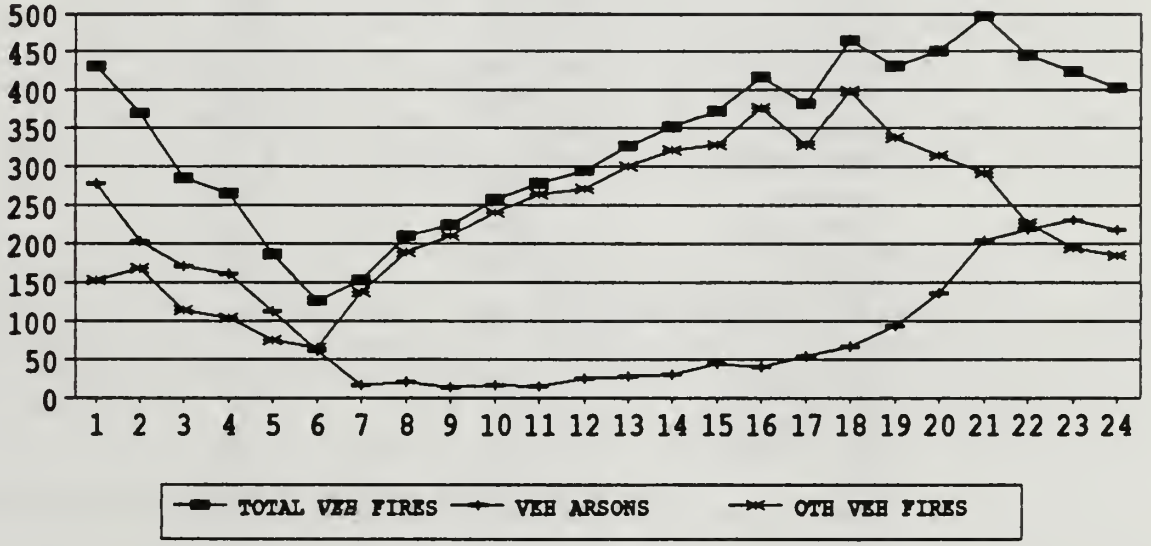
WHEN DID MOTOR VEHICLE FIRES OCCUR?

Motor vehicle fires were more likely to occur in the warmer months. In 1990, 9.5% of the motor vehicle fires occurred in August, the peak month for these incidents. June ranked second with 9.2%, and July ranked third with 8.9% of these fires. Only 7.4% of the motor vehicle fires occurred in February, and 7.5% occurred in October, the month with the second smallest number of motor vehicle fires.

In 1990, 15.7% of the motor vehicle fires occurred on Friday, the peak day for these incidents. Saturday ranked second with 15.9%, and Thursday ranked third with 14.6% of these fires. Only 13.1% of the motor vehicle fires occurred on Tuesday, and 13.6% occurred on Sunday, the day with the second smallest number of motor vehicle fires.

Motor vehicle fires were more likely to occur at night and in the afternoon. In 1990, 21.9% of the motor vehicle fires occurred between 8:00 p.m. and midnight; 21.4% occurred between 4:00 p.m. and 8:00 p.m.; and 18.2% occurred between noon and 4:00 p.m. Only 8.4% of the motor vehicle fires occurred between 4:00 a.m. and 8:00 a.m.

Suspicious and incendiary motor vehicle fires were more likely to occur at night and in the very early morning hours. Accidental motor vehicle fires were more likely to occur in the afternoon and early evening. The graph below shows the hour of the alarm of all motor vehicle fires, of motor vehicles considered incendiary or suspicious (arson), and of all other motor vehicle fires including both accidental fires and fires of unknown origin. The time is given using the twenty-four hour clock, with the time rounded up to the next hour. During the daytime hours, the curve for fires of accidental and unknown origin closely resembles the curve for total fires.



MOBILE PROPERTY TYPE

Automobile fires accounted for 80.2% of all motor vehicle fires; 4.9% were trucks under one ton; 3% were trucks over one ton; .7% were water transport vehicles; .7% were all terrain vehicles such as motorcycles, golf carts, snowmobiles and dune buggies; and .6% of the motor vehicles were buses or trackless trolleys. In 7.8% of these fires, the mobile property types were undetermined or not reported.

MAKES AND MODELS OF VEHICLES WITH THE MOST FIRES

The makes and models of fires most frequently involved in fires are listed in the table below. Although the rank order changed somewhat from 1989 to 1990, nine of the top ten in 1989 were in the top ten in 1990.

Please refer to the table "Vehicle Fires by Make and Model" in the Appendix for a listing of models with more than five reported fires.

Makes and Models of Vehicles with more than 50 Fires

Oldsmobile	**Cutlass/Ciera**	**259**
Ford	**Escort**	**191**
Chevrolet	**Camaro**	**154**
Ford	**Mustang**	**152**
Chevrolet	**Caprice**	**140**
Buick	**Regal**	**132**
Chevrolet	**Monte Carlo**	**111**
Toyota	**Corolla**	**88**
Chevrolet	**Malibu**	**86**
Buick	**Skylark**	**84**
Chevrolet	Van	81
Chevrolet	Cavalier	80
Ford	LTD	79
Pontiac	Firebird	77
Chevrolet	Blazer	71
Chevrolet	Pick-Up Truck	69
AMC	Concord	65
Chevrolet	Chevette	64
Plymouth	Reliant	64
Buick	Century	62
Dodge	Aries	62
Dodge	Omni	59
Pontiac	Grand Prix	59
Cadillac	De Ville	58
Chevrolet	Celebrity	58
Chevrolet	Citation	58
Toyota	Celica	58
Toyota	Tercel	54
Ford	Bronco	52
Hyundai	Excel	52
Chrysler	Le Baron	51
Oldsmobile	Delta 88	50
Plymouth	Horizon	50

VEHICLE FIRES BY MODEL YEAR OF VEHICLE

Fires in older vehicles were more likely to result from accidental causes. Fires in newer vehicles were more likely to result from arson. More than half of the 1990 model year vehicle fires were considered incendiary or suspicious. In addition, some of the fires of unknown origin were undoubtedly set deliberately.

For more information, please refer to the table "Vehicle Fires in 1990 by Model by Year of Vehicle" in the Appendix.

LEADING CAUSES OF MOTOR VEHICLE FIRES

In 1990, 33.5% of the motor vehicle fires were caused by malfunctions such as short circuits, lack of maintenance, and part failures. This includes: the 13.7% of the motor vehicle fires caused by short circuits, ground faults, and other electrical failures; the 9.2% caused by part failures, leaks, and breaks; and the 3.1% of motor vehicle fires caused by improperly operating electrical equipment.

Arson, which for purposes of this report includes all incidents in which the ignition factor was classified as incendiary or suspicious, was responsible for 30.6% of the motor vehicle fires. The cause of the fire was undetermined in 21.9% of these fires. The remaining 14% were attributed to other causes.

AREA OF ORIGIN FOR MOTOR VEHICLE FIRES

In 1990, 45.3% of the motor vehicle fires originated in the engine area; 26.8% began in the passenger area; 4.5% began in the operating or control area of the vehicle; and 3.2% began on exterior exposed surfaces. The area of origin was undetermined or not reported in 9.3% of these fires.

MATERIAL FIRST IGNITED IN MOTOR VEHICLE FIRES

Electrical wire or cable insulation was the material first ignited in 13.4% of the motor vehicle fires; fuel was first ignited in 11% of these incidents; the seats were first ignited in 9.2% of these fires; multiple forms of material were ignited in 9% of the motor vehicle fires; the material first ignited was not classified in 5.1% of these incidents; and gases or liquids in or from pipes or containers, including accelerants were first ignited in 4.9% of the motor vehicles. The material first ignited was undetermined or not reported in 37.5% of these incidents.

OCCUPANCY TYPE ON WHICH MOTOR VEHICLE FIRES OCCURRED

In 1990, 41.5% of the motor vehicle fires occurred on paved public roads; 15.8% occurred in uncovered parking lots; 8.5% occurred on limited access highways; 5.7% occurred on paved private roads, ways or driveways; and 3.3% occurred on lawns, fields or open areas.

COMMUNITIES WITH 100 OR MORE MOTOR VEHICLE FIRES

In 1990, 1,607, or 19.9% of the Commonwealth's motor vehicle fires occurred in Boston. Although Boston still leads the Commonwealth in these incidents, it is a major decrease from the 4,106, or 36.4%, that Boston had in 1986.

The table below lists the communities with more than 100 motor vehicle fires and the rate of motor vehicle fires per 1,000 population.

Community	Vehicle Fires	Vehicle Fires/ 1,000 Population
Boston	1,607	2.42
Springfield	297	1.89
Fall River	256	2.76
Brockton	238	2.56
New Bedford	225	2.25
Worcester	219	1.29
Lawrence	204	2.90
Quincy	125	1.47
Chelsea	100	3.48
MASSACHUSETTS	8,056	1.34

COMMUNITIES WITH 25 OR MORE MOTOR VEHICLE ARSONS

Nine hundred and seventy-four (974), or almost 40% of the motor vehicle fires identified as arson in Massachusetts in 1990 occurred in Boston. However, this represents a drop of 68.2% from 1986, the peak year for motor vehicle arson in Boston.

The table below lists the communities with more than 25 motor vehicle arsons and the rate of motor vehicle arsons per 1,000 population.

Community	Vehicle Arsons	Vehicle Arsons/ 1,000 Population
Boston	974	1.47
Lawrence	130	1.85
Fall River	120	1.40
Brockton	105	1.13
Worcester	77	0.45
New Bedford	58	0.58
Chelsea	45	1.57
Lynn	40	0.49
Somerville	35	0.46
Quincy	33	0.39
Revere	30	0.70
Lowell	29	0.28
Methuen	28	0.70
Haverhill	28	0.54
MASSACHUSETTS	2,463	0.41

APPENDIX

MOTOR VEHICLE FIRES IN 1987 AND IN 1990

COMMUNITY	1987 VEH FIRES	1990 VEH FIRES	CHANGE	POPULATION	1990 RATE/ 1,000 POP
ABINGTON	32	21	-9	13,817	1.51
ACTON	7	14	+7	17,872	0.78
ACUSHNET	21	6	-15	9,554	0.62
ADAMS	0	0	0	9,445	0.00
AGAWAM	40	24	-16	27,323	0.87
ALFORD	2	0	-2	418	0.00
AMESBURY	23	18	-5	14,997	1.20
AMHERST	34	18	-16	35,228	0.51
ANDOVER	80	47	-33	29,151	1.61
ARLINGTON	8	0	-8	44,630	0.00
ASHBURNHAM	6	5	-1	5,433	0.92
ASHBY	0	1	+1	2,717	0.36
ASHFIELD	2	0	-2	1,715	0.00
ASHLAND	2	2	0	12,066	0.16
ATHOL	30	19	-11	11,451	1.65
ATTLEBORO	78	50	-28	38,383	1.30
AUBURN	43	56	+13	15,005	3.73
AVON	16	19	+3	4,558	4.16
AYER	1	9	+8	6,871	1.30
BARNSTABLE FIRE DISTRICTS	56	53	-3	40,949	1.29
Barnstable	1	0	-1		
Cotuit	2	1	-1		
Centerville Osterville-Marston Mills	0	11	+11		
Hyannis	53	41	-12		
West Barnstable	0	0	0		
BARRE	1	0	-1	4,546	0.00
BECKET	1	0	-1	1,481	0.00
BEDFORD	0	0	0	12,996	0.00
BELCHERTOWN	6	0	-6	10,759	0.00
BELLINGHAM	20	13	-7	14,877	0.87
BELMONT	7	19	+12	24,720	0.76
BERKLEY	17	10	-7	4,237	2.36
BERLIN	0	2	+2	2,293	0.87
BERNARDSTON	2	1	-1	2,048	0.48
BEVERLY	4	0	-4	38,195	0.00
BILLERICA	37	71	+34	37,609	1.88
BLACKSTONE	21	14	-7	8,023	1.74
BLANDFORD	4	0	-4	1,187	0.00
BOLTON	0	4	+4	3,134	1.27
BOSTON	3,634	1,607	-2,027	663,906	2.42
BOURNE	19	40	+21	16,064	2.49
BOXBOROUGH	3	2	-1	3,343	0.59
BOXFORD	2	0	-2	6,266	0.00
BOYLSTON	0	0	0	3517	0.00
BRAINTREE	111	46	-65	33,836	1.35
BREWSTER	10	1	-9	8,440	0.11

MOTOR VEHICLE FIRES IN 1987 AND IN 1990

COMMUNITY	1987 VEH FIRES	1990 VEH FIRES	CHANGE	POPULATION	1990 RATE/ 1,000 POP
BRIDGEWATER	25	1	-24	21,249	0.04
BRIMFIELD	4	0	-4	3,001	0.00
BROCKTON	261	238	-23	92,788	2.56
BROOKFIELD	0	0	0	2,968	0.00
BROOKLINE	64	67	+3	54,718	1.22
BUCKLAND	0	1	+1	1,928	0.51
BURLINGTON	57	23	-34	23,302	0.98
CAMBRIDGE	150	64	-86	95,802	0.66
CANTON	51	34	-17	18,530	1.83
CARLISLE	0	0	0	4,333	0.00
CARVER	0	0	0	10,590	0.00
CHARLEMONT	0	0	0	1,249	0.00
CHARLTON	5	19	+14	9,576	1.98
CHATHAM	8	10	+2	6,579	1.51
CHELMSFORD	73	74	+1	32,383	2.28
CHELSEA	124	100	-24	28,710	3.48
CHESHIRE	3	1	-2	3,479	0.28
CHESTER	0	0	0	1,280	0.00
CHICOPEE	96	92	-4	56,632	1.62
CHILMARK	1	0	-1	650	0.00
CLARKSBURG	0	0	0	1,745	0.00
CLINTON	15	10	-5	12,689	0.78
COHASSET	3	1	-2	7,075	0.14
COLRAIN	1	0	-1	1,757	0.00
CONCORD	15	10	-5	17,076	0.58
CONWAY	0	0	0	1,529	0.00
CUMMINGTON	0	1	+1	785	1.27
DALTON	6	5	-1	7,155	0.69
DANVERS	16	22	+6	24,174	0.91
DARTMOUTH FIRE DISTRICTS	44	45	+1	27,244	1.65
Dartmouth # 1	11	10	-1		
Dartmouth # 2	3	1	-2		
Dartmouth # 3	30	34	+4		
DEDHAM	51	29	-22	23,782	1.21
DEERFIELD FIRE DISTRICTS	1	12	+11	5,018	2.39
Deerfield	1	2	+1		
South Deerfield	0	10	+10		
DENNIS	0	0	0	13,864	0.00
DIGHTON	4	5	+1	5,631	0.88
DOUGLAS	3	6	+3	5,438	1.10
DOVER	0	0	0	4,915	0.00
DRACUT	44	33	-11	22,200	1.48
DUDLEY	11	8	-3	9,540	0.83
DUNSTABLE	0	0	0	2,236	0.00
DUXBURY	22	9	-13	13,895	0.64
EAST BRIDGEWATER	0	0	0	11,104	0.00

MOTOR VEHICLE FIRES IN 1987 AND IN 1990

COMMUNITY	1987 VEH FIRES	1990 VEH FIRES	CHANGE	POPULATION	1990 RATE/ 1,000 POP
EAST BROOKFIELD	0	0	0	2,033	0.00
EAST LONGMEADOW	10	8	-2	13,367	0.59
EASTHAM	7	2	-5	4,462	0.44
EASTHAMPTON	10	14	+4	15,537	0.90
EASTON	14	26	+12	19,807	1.31
EDGARTOWN	0	0	0	3,062	0.00
EGREMONT	0	0	0	1,229	0.00
ERVING	0	0	0	1,372	0.00
ESSEX	3	0	-3	3,260	0.00
EVERETT	95	54	-41	35,701	1.51
FAIRHAVEN	36	25	-11	16,132	1.54
FALL RIVER	466	256	-210	92,703	2.76
FALMOUTH	41	32	-9	27,960	1.14
FITCHBURG	81	78	-3	41,194	1.89
FLORIDA	0	1	+1	742	1.34
FOXBOROUGH	28	18	-10	14,637	1.22
FRAMINGHAM	86	63	-23	64,989	0.96
FRANKLIN	2	0	-2	22,095	0.00
FREETOWN	16	26	+10	8,522	3.05
GARDNER	21	18	-3	20,125	0.89
GAY HEAD	0	0	0	201	0.00
GEORGETOWN	10	5	-5	6,384	0.78
GILL	0	0	0	1,583	0.00
GLOUCESTER	53	30	-23	28,716	1.04
GOSHEN	0	0	0	830	0.00
GOSNOLD CUTTYHUNK	0	0	0	98	0.00
GRAFTON	0	1	+1	13,035	0.07
GRANBY	4	5	+1	5,565	0.89
GRANVILLE	1	0	-1	1,403	0.00
GREAT BARRINGTON	15	12	-3	7,725	1.55
GREENFIELD	18	23	+5	18,666	1.23
GROTON	2	1	-1	7,511	0.13
GROVELAND	1	5	+4	5,214	0.95
HADLEY	0	0	0	4,231	0.00
HALIFAX	6	0	-6	6,526	0.00
HAMILTON	0	1	+1	7,280	0.13
HAMPDEN	0	0	0	4,709	0.00
HANCOCK	1	1	0	628	1.59
HANOVER	26	22	-4	11,912	1.84
HANSON	0	0	0	9,028	0.00
HARDWICK	0	0	0	2,385	0.00
HARVARD	0	1	+1	12,329	0.08
HARWICH	12	9	-3	10,275	0.87
HATFIELD	0	3	+3	3,184	0.94
HAVERHILL	18	87	+69	51,418	1.69
HAWLEY	0	0	0	317	0.00
HEATH	1	2	+1	716	2.79
HINGHAM	45	29	-16	19,821	1.46

MOTOR VEHICLE FIRES IN 1987 AND IN 1990

COMMUNITY	1987 VEH FIRES	1990 VEH FIRES	CHANGE	POPULATION	1990 RATE/ 1,000 POP
HINSDALE	0	2	+2	1,959	1.02
HOLBROOK	1	0	-1	11,041	0.00
HOLDEN	0	6	+6	14,628	0.41
HOLLAND	0	2	+2	2,815	0.71
HOLLISTON	4	4	0	12,926	0.30
HOLYOKE	98	65	-33	43,704	1.48
HOPEDALE	2	0	-2	1,761	0.00
HOPKINTON	12	7	-5	9,191	0.76
HUBBARDSTON	7	5	-2	2,797	1.78
HUDSON	28	14	-14	17,233	0.81
HULL	0	21	+21	10,466	2.00
HUNTINGTON	0	2	+2	1,987	1.00
IPSWICH	4	11	+7	11,873	0.92
KINGSTON	8	4	-4	9,045	0.44
LAKEVILLE	15	13	-2	7,785	1.66
LANCASTER	1	15	+14	6,661	2.25
LANESBOROUGH	0	8	+8	3,032	2.63
LAWRENCE	307	204	-103	70,207	2.90
LEE	8	7	-1	5,849	1.19
LEICESTER	20	14	-6	10,191	1.37
LENOX	1	1	0	5,069	0.19
LEOMINSTER	68	54	-14	38,145	1.41
LEVERETT	0	1	+1	1,785	0.56
LEXINGTON	26	49	+23	28,974	1.69
LEYDEN	0	0	0	662	0.00
LINCOLN	2	2	0	7,666	0.26
LITTLETON	20	12	-8	7,051	1.70
LONGMEADOW	10	6	-4	15,467	0.38
LOWELL	240	94	-146	103,439	0.90
LUDLOW	36	23	-13	18,820	1.22
LUNENBURG	7	14	+7	9,117	1.53
LYNN	256	96	-160	81,245	1.18
LYNNFIELD	29	2	-27	11,274	0.17
MALDEN	42	18	-24	53,884	0.33
MANCHESTER	6	5	-1	5,286	0.94
MANSFIELD	20	17	-3	16,568	1.02
MARBLEHEAD	17	1	-16	19,971	0.05
MARION	0	0	0	4,496	0.00
MARLBOROUGH	67	23	-44	34,294	0.67
MARSHFIELD	48	20	-28	21,531	0.92
MASHPEE	6	17	+11	7,884	2.15
MATTAPOISETT	0	4	+4	5,850	0.68
MAYNARD	2	7	+5	9,708	0.72
MEDFIELD	6	2	-4	10,531	0.18
MEDFORD	117	79	-38	57,407	1.37
MEDWAY	0	1	+1	9,931	0.10
MELROSE	24	25	+1	28,150	0.88
MERRIMAC	17	7	-10	5,166	1.36

MOTOR VEHICLE FIRES IN 1987 AND IN 1990

COMMUNITY	1987 VEH FIRES	1990 VEH FIRES	CHANGE	POPULATION	1990 RATE/ 1,000 POP
METHUEN	87	96	+9	39,990	2.40
MIDDLEBOROUGH	43	34	-9	17,867	1.90
MIDDLEFIELD	0	0	0	392	0.00
MIDDLETON	0	10	+10	4,921	2.03
MILFORD	77	57	-20	25,355	2.24
MILLBURY	2	12	+10	12,228	0.98
MILLIS	0	0	0	7,613	0.00
MILLVILLE	1	1	0	2,236	0.44
MILTON	10	22	+12	25,725	0.85
MONROE	0	0	0	115	0.00
MONSON	2	0	-2	7,776	0.00
MONTAGUE FIRE DISTRICTS	7	2	-5	8,316	0.24
Montague Center	1	1	0		
Millers Falls	0	1	+1		
Turners Falls	6	0	-6		
Lake Pleasant	0	0	0		
MONTEREY	1	0	-1	805	0.00
MONTGOMERY	0	3	+3	759	3.95
MOUNT WASHINGTON	0	0	0	135	0
NAHANT	2	0	-2	3,828	0.00
NANTUCKET	15	12	-3	6,012	1.99
NATICK	0	24	+24	30,510	0.78
NEEDHAM	41	24	-17	27,557	0.87
NEW ASHFORD	0	1	+1	192	5.20
NEW BEDFORD	287	225	-62	99,922	2.25
NEW BRAINTREE	0	0	0	881	0.00
NEW MARLBOROUGH	1	0	-1	1,240	0.00
NEW SALEM	0	0	0	802	0.00
NEWBURY	0	5	+5	5,623	0.88
NEWBURYPORT	13	23	+10	16,317	1.40
NEWTON	87	66	-21	82,585	0.79
NORFOLK	1	6	+5	9,270	0.64
NORTH ADAMS	19	11	-8	16,797	0.65
NORTH ANDOVER	43	29	-14	22,792	1.27
NORTH ATTLEBORO	44	31	-13	25,038	1.23
NORTH BROOKFIELD	3	0	-3	4,708	0.00
NORTH READING	0	4	+4	12,002	0.33
NORTHAMPTON	33	21	-12	28,042	0.74
NORTHBOROUGH	8	14	+6	11,929	1.17
NORTHBRIDGE	14	6	-8	13,371	0.44
NORTHFIELD	0	0	0	2,838	0.00
NORTON	18	15	-3	14,265	1.05
NORWELL	0	9	+9	9,279	0.96
NORWOOD	58	44	14	28,700	1.53
OAK BLUFFS	11	7	-4	2,804	2.49
OAKHAM	0	0	0	1,503	0.00
ORANGE	16	12	-4	7,312	1.64

MOTOR VEHICLE FIRES IN 1987 AND IN 1990

COMMUNITY	1987 VEH FIRES	1990 VEH FIRES	CHANGE	POPULATION	1990 RATE/ 1,000 POP
ORLEANS	6	5	-1	5,838	0.85
OTIS	1	1	0	1,073	0.93
OXFORD	29	11	-18	12,588	0.87
PALMER FIRE DISTRICTS	16	15	-1	12,054	1.24
Palmer	15	15	0		
Bondsville	0	0	0		
Three Rivers	1	0	-1		
PAXTON	3	3	0	4,047	0.74
PEABODY	14	48	+34	45,766	1.04
PELHAM	0	0	0	1,373	0.00
PEMBROKE	19	21	+2	14,544	1.44
PEPPERELL	12	3	-9	10,098	0.29
PERU	0	0	0	779	0.00
PETERSHAM	4	1	-3	1,131	0.88
PHILLIPSTON	0	1	+1	1,485	0.67
PITTSFIELD	80	69	-11	48,622	1.41
PLAINFIELD	0	0	0	571	0.00
PLAINVILLE	13	7	-6	6,871	1.01
PLYMOUTH	83	80	-3	45,608	1.75
PLYMPTON	1	0	-1	2,384	0.00
PRINCETON	0	4	+4	3,189	1.25
PROVINCETOWN	1	0	-1	3,561	0.00
QUINCY	127	125	-2	84,985	1.47
RANDOLPH	14	23	+9	30,093	0.76
RAYNHAM	36	22	-14	9,867	2.22
READING	21	23	+2	22,539	1.02
REHOBOTH	10	3	-7	8,656	0.34
REVERE	144	72	-72	42,786	1.68
RICHMOND	0	0	0	1,677	0.00
ROCHESTER	0	0	0	3,921	0.00
ROCKLAND	7	12	+5	16,123	0.74
ROCKPORT	0	3	+3	7,482	0.40
ROWE	0	0	0	378	0.00
ROWLEY	2	0	-2	4,452	0.00
ROYALSTON	0	0	0	1,147	0.00
RUSSELL	0	1	+1	1,594	0.62
RUTLAND	8	0	-8	4,936	0.00
SALEM	77	41	-36	38,091	1.07
SALISBURY	19	11	-8	6,882	1.59
SANDISFIELD	0	0	0	667	0.00
SANDWICH	9	13	+4	15,489	0.83
SAUGUS	84	23	-61	25,549	0.90
SAVOY	1	0	-1	634	0.00
SCITUATE	26	7	-19	16,786	0.41
SEEKONK	19	2	-17	13,046	0.15
SHARON	8	13	+5	14,581	0.89
SHEFFIELD	4	2	-2	2,910	0.68

MOTOR VEHICLE FIRES IN 1987 AND IN 1990

COMMUNITY	1987 VEH FIRES	1990 VEH FIRES	CHANGE	POPULATION	1990 RATE/ 1,000 POP
SHELBURNE FIRE					
DISTRICTS	1	2	+1	2,012	0.00
Shelburne Center	1	2	+1		
Shelburne Falls	0	0	0		
SHERBORN	1	1	0	3,989	0.25
SHIRLEY	2	1	-1	6,118	0.16
SHREWSBURY	49	33	-16	24,146	1.36
SHUTESBURY	0	0	0	1,561	0.00
SOMERSET	21	23	+2	17,655	1.30
SOMERVILLE	192	90	-102	76,210	1.18
SOUTH HADLEY FIRE					
DISTRICTS	3	2	-1	16,685	0.12
South Hadley # 1	2	1	-1		
South Hadley # 2	1	1	0		
SOUTHAMPTON	0	0	0	4,478	0.00
SOUTHBOROUGH	16	15	-1	6,628	2.26
SOUTHBRIDGE	28	16	-12	17,816	0.89
SOUTHWICK	9	7	-2	7,667	0.91
SPENCER	1	7	+6	11,645	0.60
SPRINGFIELD	332	297	-35	156,983	1.89
STERLING	12	14	+2	6,481	2.16
STOCKBRIDGE	1	0	-1	2,408	0.00
STONEHAM	35	33	-2	22,203	1.48
STOUGHTON	3	38	+35	26,777	1.41
STOW	0	2	+2	5,328	0.37
STURBRIDGE	19	22	+3	7,775	2.82
SUDBURY	10	11	+1	14,358	0.76
SUNDERLAND	0	0	0	3,399	0.00
SUTTON	2	6	+4	6,824	0.87
SWAMPSCOTT	16	5	-11	13,650	0.36
SWANSEA	8	53	+45	15,411	3.43
TAUNTON	89	61	-28	49,832	1.22
TEMPLETON	0	0	0	6,438	0.00
TEWKSBURY	0	13	+13	27,266	0.47
TISBURY	0	0	0	3,120	0.00
TOLLAND	2	0	-2	289	0.00
TOPSFIELD	5	10	+5	5,754	1.73
TOWNSEND	11	4	-7	8,496	0.47
TRURO	0	6	+6	1,573	3.81
TYNGSBOROUGH	10	8	-2	8,642	0.92
TYRINGHAM	0	0	0	369	0.00
UPTON	1	9	+8	4,677	1.92
UXBRIDGE	7	7	0	10,415	0.67
WAKEFIELD	44	18	-26	24,825	0.72
WALES	0	0	0	1,566	0.00
WALTHAM	110	60	-50	57,878	1.03
WARE	4	0	-4	9,808	0.00

MOTOR VEHICLE FIRES IN 1987 AND IN 1990

COMMUNITY	1987 VEH FIRES	1990 VEH FIRES	CHANGE	POPULATION	1990 RATE/ 1,000 POP
WAREHAM FIRE DISTRICTS	46	42	-4	19,232	2.18
Wareham	46	36	-10		
Onset	0	6	+6		
WARREN	11	2	-9	4,437	0.45
WARWICK	1	0	-1	740	0.00
WASHINGTON	0	0	0	615	0.00
WATERTOWN	29	30	+1	33,284	0.90
WAYLAND	7	7	0	11874	0.58
WEBSTER	1	0	-1	16,196	0.00
WELLESLEY	27	30	+3	26,615	1.12
WELLFLEET	7	1	-6	2,493	0.40
WENDELL	1	0	-1	899	0.00
WENHAM	2	3	+1	4,212	0.71
WEST BOYLSTON	1	2	+1	6,611	0.30
WEST BRIDGEWATER	3	0	-3	6,389	0.00
WEST BROOKFIELD	0	0	0	3,532	0.00
WEST NEWBURY	3	6	+3	3,421	1.75
WEST SPRINGFIELD	61	48	-13	25,289	1.89
WEST STOCKBRIDGE	0	3	+3	1,483	2.02
WEST TISBURY	0	2	+2	1,704	1.17
WESTBOROUGH	14	32	+18	14,133	2.26
WESTFIELD	60	45	-15	38,372	1.17
WESTFORD	2	0	-2	16,392	0.00
WESTHAMPTON	2	1	-1	1,327	0.75
WESTMINSTER	17	11	-6	6,191	1.77
WESTON	20	12	-8	10,200	1.17
WESTPORT	54	31	-23	13,852	2.23
WESTWOOD	28	8	-20	12,557	0.63
WEYMOUTH	79	54	-25	54,063	0.99
WHATELY	0	0	0	1,375	0.00
WHITMAN	10	23	+13	13,240	1.73
WILBRAHAM	17	6	-11	12,635	0.47
WILLIAMSBURG	0	0	0	2,515	0.00
WILLIAMSTOWN	4	3	-1	8,220	0.36
WILMINGTON	55	14	-41	17,651	0.79
WINCHENDON	15	9	-6	8,805	1.02
WINCHESTER	18	8	-10	20,267	0.39
WINDSOR	0	0	0	770	0.00
WINTHROP	18	14	-4	18,127	0.77
WOBURN	131	55	-76	35,943	1.53
WORCESTER	448	219	-229	169,759	1.29
WORTHINGTON	1	0	-1	1,156	0.00
WRENTHAM	19	6	-13	9,006	0.66
YARMOUTH	28	21	-7	21,174	0.99
MASSACHUSETTS	12,395	8,056	-4,339	6,016,425	1.34

MOTOR VEHICLE FIRES AND MOTOR VEHICLE ARSONS BY COMMUNITY

COMMUNITY	VEHICLE FIRES	VEHICLE ARSONS	% VEHICLE ARSON/ VEHICLE FIRES
ABINGTON	21	2	9.5%
ACTON	14	0	0.0%
ACUSHNET	6	2	33.3%
ADAMS	0	0	0.0%
AGAWAM	24	1	4.2%
ALFORD	0	0	0.0%
AMESBURY	18	3	16.7%
AMHERST	18	1	5.6%
ANDOVER	47	8	17.0%
ARLINGTON	0	0	0.0%
ASHBURNHAM	5	1	20.0%
ASHBY	1	0	0.0%
ASHFIELD	0	0	0.0%
ASHLAND	2	0	0.0%
ATHOL	19	2	10.5%
ATTLEBORO	50	10	20.0%
AUBURN	56	1	1.8%
AVON	19	3	15.8%
AYER	9	0	0.0%
BARNSTABLE FIRE DISTRICTS	53	2	3.8%
Barnstable District	0	0	0.0%
Centerville-Osterville-Marston Mills District	11	0	0.0%
Cotuit District	1	0	0.0%
Hyannis District	41	2	4.9%
W. Barnstable District	0	0	0.0%
BARRE	0	0	0.0%
BECKET	0	0	0.0%
BEDFORD	0	0	0.0%
BELCHERTOWN	0	0	0.0%
BELLINGHAM	13	1	7.7%
BELMONT	19	3	15.8%
BERKLEY	10	3	30.0%
BERLIN	2	0	0.0%
BERNARDSTON	1	0	0.0%
BEVERLY	0	0	0.0%
BILLERICA	71	15	21.1%
BLACKSTONE	14	3	21.4%
BLANDFORD	0	0	0.0%
BOLTON	4	0	0.0%
BOSTON	1,607	974	60.6%
BOURNE	40	4	10.0%
BOXBOROUGH	2	0	0.0%
BOXFORD	0	0	0.0%
BOYLSTON	0	0	0.0%
BRAINTREE	46	3	6.5%
BREWSTER	1	0	0.0%

MOTOR VEHICLE FIRES AND MOTOR VEHICLE ARSONS BY COMMUNITY

COMMUNITY	VEHICLE FIRES	VEHICLE ARSONS	% VEHICLE ARSON/ VEHICLE FIRES
BRIDGEWATER	1	0	0.0%
BRIMFIELD	0	0	0.0%
BROCKTON	238	105	44.1%
BROOKFIELD	0	0	0.0%
BROOKLINE	67	9	13.4%
BUCKLAND	1	0	0.0%
BURLINGTON	23	0	0.0%
CAMBRIDGE	64	21	32.8%
CANTON	34	5	14.7%
CARLISLE	0	0	0.0%
CARVER	0	0	0.0%
CHARLEMONT	0	0	0.0%
CHARLTON	19	1	5.3%
CHATHAM	10	3	30.0%
CHELMSFORD	74	9	12.2%
CHELSEA	100	45	45.0%
CHESHIRE	1	0	0.0%
CHESTER	0	0	0.0%
CHICOPEE	92	17	18.5%
CHILMARK	0	0	0.0%
CLARKSBURG	0	0	0.0%
CLINTON	10	0	0.0%
COHASSET	1	0	0.0%
COLRAIN	0	0	0.0%
CONCORD	10	0	0.0%
CONWAY	0	0	0.0%
CUMMINGTON	1	0	0.0%
DALTON	5	0	0.0%
DANVERS	22	2	9.1%
DARTMOUTH FIRE DISTRICTS	45	18	40.0%
Dartmouth District #1	10	5	50.0%
Dartmouth District #2	1	1	100.0%
Dartmouth District #3	34	12	35.3%
DEDHAM	29	2	6.9%
DEERFIELD FIRE DISTRICTS	12	2	16.7%
Deerfield District	2	0	0.0%
South Deerfield Dist.	10	2	20.0%
DENNIS	0	0	0.0%
DIGHTON	5	1	20.0%
DOUGLAS	6	4	66.7%
DOVER	0	0	0.0%
DRACUT	33	11	33.3%
DUDLEY	8	2	25.0%
DUNSTABLE	0	0	0.0%
DUXBURY	9	1	11.1%
EAST BRIDGEWATER	0	0	0.0%

MOTOR VEHICLE FIRES AND MOTOR VEHICLE ARSONS BY COMMUNITY

COMMUNITY	VEHICLE FIRES	VEHICLE ARSONS	% VEHICLE ARSON/ VEHICLE FIRES
EAST BROOKFIELD	0	0	0.0%
EAST LONGMEADOW	8	0	0.0%
EASTHAM	2	0	0.0%
EASTHAMPTON	14	0	0.0%
EASTON	26	8	30.8%
EDGARTOWN	0	0	0.0%
EGREMONT	0	0	0.0%
ERVING	0	0	0.0%
ESSEX	0	0	0.0%
EVERETT	54	23	42.6%
FAIRHAVEN	25	4	16.0%
FALL RIVER	256	120	46.9%
FALMOUTH	32	5	15.6%
FITCHBURG	78	18	23.1%
FLORIDA	1	0	0.0%
FOXBOROUGH	18	2	11.1%
FRAMINGHAM	63	8	12.7%
FRANKLIN	0	0	0.0%
FREETOWN	26	11	42.3%
GARDNER	18	3	16.7%
GAY HEAD	0	0	0.0%
GEORGETOWN	5	0	0.0%
GILL	0	0	0.0%
GLOUCESTER	30	9	30.0%
GOSHEN	0	0	0.0%
GOSNOLD CUTTYHUNK	0	0	0.0%
GRAFTON	1	1	100.0%
GRANBY	5	1	20.0%
GRANVILLE	0	0	0.0%
GREAT BARRINGTON	12	0	0.0%
GREENFIELD	23	6	26.1%
GROTON	1	0	0.0%
GROVELAND	5	1	20.0%
HADLEY	0	0	0.0%
HALIFAX	0	0	0.0%
HAMILTON	1	0	0.0%
HAMPDEN	0	0	0.0%
HANCOCK	1	0	0.0%
HANOVER	22	12	54.5%
HANSON	0	0	0.0%
HARDWICK	0	0	0.0%
HARVARD	1	0	0.0%
HARWICH	9	0	0.0%
HATFIELD	3	1	33.3%
HAVERHILL	87	28	32.2%
HAWLEY	0	0	0.0%
HEATH	2	0	0.0%
HINGHAM	29	8	27.6%

MOTOR VEHICLE FIRES AND MOTOR VEHICLE ARSONS BY COMMUNITY

COMMUNITY	VEHICLE FIRES	VEHICLE ARSONS	% VEHICLE ARSON/ VEHICLE FIRES
HINSDALE	2	0	0.0%
HOLBROOK	0	0	0.0%
HOLDEN	6	0	0.0%
HOLLAND	2	0	0.0%
HOLLISTON	4	0	0.0%
HOLYOKE	65	19	29.2%
HOPEDALE	0	0	0.0%
HOPKINTON	7	0	0.0%
HUBBARDSTON	5	1	20.0%
HUDSON	14	0	0.0%
HULL	21	0	0.0%
HUNTINGTON	2	0	0.0%
IPSWICH	11	4	36.4%
KINGSTON	4	2	50.0%
LAKEVILLE	13	2	15.4%
LANCASTER	15	2	13.3%
LANESBOROUGH	8	1	12.5%
LAWRENCE	204	130	63.7%
LEE	7	0	0.0%
LEICESTER	14	1	7.1%
LENOX	1	0	0.0%
LEOMINSTER	54	11	20.4%
LEVERETT	1	1	100.0%
LEXINGTON	49	4	8.2%
LEYDEN	0	0	0.0%
LINCOLN	2	0	0.0%
LITTLETON	12	0	0.0%
LONGMEADOW	6	0	0.0%
LOWELL	94	29	30.9%
LUDLOW	23	6	26.1%
LUNENBURG	14	1	7.1%
LYNN	96	40	41.7%
LYNNFIELD	2	0	0.0%
MALDEN	18	6	33.3%
MANCHESTER	5	1	20.0%
MANSFIELD	17	1	5.9%
MARBLEHEAD	1	0	0.0%
MARION	0	0	0.0%
MARLBOROUGH	23	4	17.4%
MARSHFIELD	20	1	5.0%
MASHPEE	17	0	0.0%
MATTAPOISETT	4	0	0.0%
MAYNARD	7	0	0.0%
MEDFIELD	2	0	0.0%
MEDFORD	79	21	26.6%
MEDWAY	1	0	0.0%
MELROSE	25	7	28.0%
MERRIMAC	7	1	14.3%

MOTOR VEHICLE FIRES AND MOTOR VEHICLE ARSONS BY COMMUNITY

COMMUNITY	VEHICLE FIRES	VEHICLE ARSONS	% VEHICLE ARSON/ VEHICLE FIRES
METHUEN	96	28	29.2%
MIDDLEBOROUGH	34	4	11.8%
MIDDLEFIELD	0	0	0.0%
MIDDLETON	10	4	40.0%
MILFORD	57	19	33.3%
MILLBURY	12	0	0.0%
MILLIS	0	0	0.0%
MILLVILLE	1	0	0.0%
MILTON	22	6	27.3%
MONROE	0	0	0.0%
MONSON	0	0	0.0%
MONTAGUE FIRE DISTRICTS	2	0	0.0%
Montague Center Dist.	1	0	0.0%
Millers Falls District	1	0	0.0%
Turners Falls District	0	0	0.0%
Lake Pleasant District	0	0	0.0%
MONTEREY	0	0	0.0%
MONTGOMERY	3	1	33.3%
MOUNT WASHINGTON	0	0	0.0%
NAHANT	0	0	0.0%
NANTUCKET	12	2	16.7%
NATICK	24	5	20.8%
NEEDHAM	24	0	0.0%
NEW ASHFORD	1	0	0.0%
NEW BEDFORD	225	58	25.8%
NEW BRAINTREE	0	0	0.0%
NEW MARLBOROUGH	0	0	0.0%
NEW SALEM	0	0	0.0%
NEWBURY	5	0	0.0%
NEWBURYPORT	23	6	26.1%
NEWTON	66	7	10.6%
NORFOLK	6	1	16.7%
NORTH ADAMS	11	2	18.2%
NORTH ANDOVER	29	3	10.3%
NORTH ATTLEBORO	31	7	22.6%
NORTH BROOKFIELD	0	0	0.0%
NORTH READING	4	1	25.0%
NORTHAMPTON	21	2	9.5%
NORTHBOROUGH	14	0	0.0%
NORTHBRIDGE	6	1	16.7%
NORTHFIELD	0	0	0.0%
NORTON	15	6	40.0%
NORWELL	9	0	0.0%
NORWOOD	44	2	4.5%
OAK BLUFFS	7	0	0.0%
OAKHAM	0	0	0.0%
ORANGE	12	1	8.3%

MOTOR VEHICLE FIRES AND MOTOR VEHICLE ARSONS BY COMMUNITY

COMMUNITY	VEHICLE FIRES	VEHICLE ARSONS	% VEHICLE ARSON/ VEHICLE FIRES
ORLEANS	5	0	0.0%
OTIS	1	1	0.0%
OXFORD	11	1	9.1%
PALMER FIRE DISTRICTS	15	0	0.0%
Palmer District #1	15	0	0.0%
Bondsville District	0	0	0.0%
Three Rivers District	0	0	0.0%
PAXTON	3	1	33.3%
PEABODY	48	11	22.9%
PELHAM	0	0	0.0%
PEMBROKE	21	3	14.3%
PEPPERELL	3	0	0.0%
PERU	0	0	0.0%
PETERSHAM	1	0	0.0%
PHILLIPSTON	1	0	0.0%
PITTSFIELD	69	7	10.1%
PLAINFIELD	0	0	0.0%
PLAINVILLE	7	1	14.3%
PLYMOUTH	80	10	12.5%
PLYMPTON	0	0	0.0%
PRINCETON	4	0	0.0%
PROVINCETOWN	0	0	0.0%
QUINCY	125	33	26.4%
RANDOLPH	23	0	0.0%
RAYNHAM	22	1	4.5%
READING	23	2	8.7%
REHOBOTH	3	2	66.7%
REVERE	72	30	41.7%
RICHMOND	0	0	0.0%
ROCHESTER	0	0	0.0%
ROCKLAND	12	3	25.0%
ROCKPORT	3	0	0.0%
ROWE	0	0	0.0%
ROWLEY	0	0	0.0%
ROYALSTON	0	0	0.0%
RUSSELL	1	0	0.0%
RUTLAND	0	0	0.0%
SALEM	41	14	34.1%
SALISBURY	11	4	36.4%
SANDISFIELD	0	0	0.0%
SANDWICH	13	2	15.4%
SAUGUS	23	10	43.5%
SAVOY	0	0	0.0%
SCITUATE	7	2	28.6%
SEEKONK	2	1	50.0%
SHARON	13	0	0.0%
SHEFFIELD	2	0	0.0%

MOTOR VEHICLE FIRES AND MOTOR VEHICLE ARSONS BY COMMUNITY

COMMUNITY	VEHICLE FIRES	VEHICLE ARSONS	% VEHICLE ARSON/ VEHICLE FIRES
SHELBURNE FIRE DISTRICTS	2	0	0.0%
Shelburne Center Dist.	2	0	0.0%
Shelburne Falls Dist.	0	0	0.0%
SHERBORN	1	0	0.0%
SHIRLEY	1	0	0.0%
SHREWSBURY	33	6	18.2%
SHUTESBURY	0	0	0.0%
SOMERSET	23	1	4.3%
SOMERVILLE	90	35	38.9%
SOUTH HADLEY FIRE DISTRICTS	2	1	50.0%
South Hadley District 1	1	1	100.0%
South Hadley District 2	1	0	0.0%
SOUTHAMPTON	0	0	0.0%
SOUTHBOROUGH	15	0	0.0%
SOUTHBRIDGE	16	3	18.8%
SOUTHWICK	7	0	0.0%
SPENCER	7	0	0.0%
SPRINGFIELD	297	19	6.4%
STERLING	14	5	35.7%
STOCKBRIDGE	0	0	0.0%
STONEHAM	33	4	12.1%
STOUGHTON	38	8	21.1%
STOW	2	0	0.0%
STURBRIDGE	22	0	0.0%
SUDBURY	11	1	9.1%
SUNDERLAND	0	0	0.0%
SUTTON	6	0	0.0%
SWAMPSCOTT	5	2	40.0%
SWANSEA	53	13	24.5%
TAUNTON	61	15	24.6%
TEMPLETON	0	0	0.0%
TEWKSBURY	13	3	23.1%
TISBURY	0	0	0.0%
TOLLAND	0	0	0.0%
TOPSFIELD	10	1	10.0%
TOWNSEND	4	0	0.0%
TRURO	6	0	0.0%
TYNGSBOROUGH	8	1	12.5%
TYRINGHAM	0	0	0.0%
UPTON	9	1	11.1%
UXBRIDGE	7	2	28.6%
WAKEFIELD	18	1	5.6%
WALES	0	0	0.0%
WALTHAM	60	14	23.3%
WARE	0	0	0.0%

MOTOR VEHICLE FIRES AND MOTOR VEHICLE ARSONS BY COMMUNITY

COMMUNITY	VEHICLE FIRES	VEHICLE ARSONS	% VEHICLE ARSON/ VEHICLE FIRES
WAREHAM FIRE DISTRICTS	42	7	16.7%
Wareham District	36	7	19.4%
Onset District	6	0	0.0%
WARREN	2	0	0.0%
WARWICK	0	0	0.0%
WASHINGTON	0	0	0.0%
WATERTOWN	30	7	23.3%
WAYLAND	7	0	0.0%
WEBSTER	0	0	0.0%
WELLESLEY	30	1	3.3%
WELLFLEET	1	0	0.0%
WENDELL	0	0	0.0%
WENHAM	3	1	33.3%
WEST BOYLSTON	2	0	0.0%
WEST BRIDGEWATER	0	0	0.0%
WEST BROOKFIELD	0	0	0.0%
WEST NEWBURY	6	1	16.7%
WEST SPRINGFIELD	48	8	16.7%
WEST STOCKBRIDGE	3	0	0.0%
WEST TISBURY	2	0	0.0%
WESTBOROUGH	33	1	3.0%
WESTFIELD	45	9	20.0%
WESTFORD	0	0	0.0%
WESTHAMPTON	1	0	0.0%
WESTMINSTER	11	1	9.1%
WESTON	12	0	0.0%
WESTPORT	31	5	16.1%
WESTWOOD	8	2	25.0%
WEYMOUTH	54	8	14.8%
WHATELY	0	0	0.0%
WHITMAN	23	12	52.2%
WILBRAHAM	6	0	0.0%
WILLIAMSBURG	0	0	0.0%
WILLIAMSTOWN	3	0	0.0%
WILMINGTON	14	2	14.3%
WINCHENDON	9	2	22.2%
WINCHESTER	8	1	12.5%
WINDSOR	0	0	0.0%
WINTHROP	14	5	35.7%
WOBURN	55	9	16.4%
WORCESTER	219	77	35.2%
WORTHINGTON	0	0	0.0%
WRENTHAM	6	0	0.0%
YARMOUTH	21	1	4.8%
MASSACHUSETTS	8,056	2,463	30.6%

VEHICLE FIRES IN 1990 BY MODEL YEAR OF VEHICLE

YEAR	ARSON	% ARSON	ACCIDENTAL	UNKNOWN	TOTAL
<1970	28	28.9%	58	11	97
1970	12	34.3%	14	9	35
1971	11	22.9%	26	11	48
1972	15	25.0%	31	14	60
1973	14	23.0%	36	11	61
1974	31	38.3%	35	15	81
1975	24	16.4%	53	20	97
1976	31	21.2%	83	32	146
1977	45	19.1%	147	44	236
1978	71	18.9%	205	100	376
1979	110	23.3%	257	105	472
1980	117	23.3%	260	125	502
1981	99	20.9%	252	125	476
1982	112	23.6%	251	111	474
1983	145	26.0%	300	113	558
1984	185	27.2%	342	152	679
1985	214	33.0%	289	146	649
1986	182	36.3%	222	97	501
1987	204	39.5%	222	91	517
1988	182	43.1%	167	73	422
1989	142	49.0%	95	53	290
1990	60	55.0%	40	9	109
1991	3	50.0%	0	3	6

VEHICLE FIRES BY MAKE AND MODEL

The following table lists makes and models of vehicles involved in five or more fire incidents in 1990.

ALPHA ROMEO	
Unspecified	5
AMC	
Concord	65
Eagle	13
Spirit	8
Unspecified	6
AUDI	
4000	8
5000	26
Unspecified	9
BMW	
320	9
325	6
Unspecified	13
BUICK	
Century	62
Electra	23
Le Sabre	43
Limited	6
Park Avenue	12
Regal	132
Rivera	40
Skyhawk	17
Skylark	84
Unspecified	62
CADILLAC	
De Ville	58
Eldorado	41
Fleetwood	19
Seville	39
Unspecified	35

CHEVROLET	
Astro	7
Beretta	16
Blazer	71
Camaro	154
Caprice	140
Cavalier	80
Celebrity	58
Chevelle	5
Chevette	64
Citation	58
Corsica	5
Corvette	47
Custom Deluxe	8
C 10	9
C 20	10
C 30	5
El Camino	11
Fleetside	8
Impala	44
Malibu	86
Monte Carlo	111
Monza	16
Nova	29
Pick-Up	69
Silverado	7
Spectrum	11
Sport Van, Truck	5
Suburban	6
S 10	17
Truck	6
Van	81
Unspecified	85

CHRYSLER	
Cordoba	10
Fifth Avenue	5
Laser	12
Le Baron	51
New Yorker	24
Newport	5
Unspecified	17

DATSUN	
Pick-Up	5
210	6
280Z	7
280ZX	13
510	7
Unspecified	11

DODGE	
Aries	62
Aspen	20
Caravan	26
Charger	24
Colt	36
Dakota	11
Dart	15
Daytona	31
Diplomat	5
Lancer	5
Omni	59
Pick-Up	12
Ram	20
Ram Charger	5
Ram Van	11
Shadow	13
Van	23
Unspecified	31

FORD	
Bronco	52
Dump Truck	5
Econoline	49
Escort	191
EXP	7
Fairmont	42
Fiesta	14
F 150	42
F 250	31
F 350	29
Galaxy	5
Granada	39
LTD	79
Maverick	9
Mustang	152
Pick-Up	37
Pinto	16
Ranger	23
Taurus	23
Tempo	40
Thunderbird	91
Truck	10
Van	31
350	5
Unspecified	49

GMC	
Bus	20
Jimmy	16
Pick-Up	17
Sierra	15
Van	12
Vandura	10
Unspecified	8

HONDA	
Accord	33
Civic	28
Prelude	9
Unspecified	19
HYUNDAI	
Excel	52
Unspecified	24
INTERNATIONAL HARVESTER	
School Bus	8
Unspecified	7
JAGUAR	
XJS	7
XJ6	7
XJ12	5
JEEP	
Cherokee	43
CJ 5	10
CJ 7	40
Grand Wagoneer	10
Wagoneer	22
Wrangler	14
Unspecified	23
LINCOLN	
Continental	38
Mark VI	6
Town Car	38
Unspecified	18
MAZDA	
GLC	12
Pick-Up	7
RX 7	31
626	11
Unspecified	21
MERCEDES	
190	5
450	5
Unspecified	9
MERCURY	
Brougham	8
Capri	29
Cougar	46
Lynx	28
Marquis	35
Monarch	10
Sable	7
Topaz	15
Zephyr	25
Unspecified	26
MITSUBISHI	
Galant	6
Mirage	6
Unspecified	6
NISSAN	
Maxima	15
Pulsar	7
Sentra	28
Stanza	18
200SX	5
300ZX	7
Unspecified	11
OLDSMOBILE	
Calais	7
Cutass/Ciera	259
Delta 88	50
Firenza	11
Omega	26
Regency	10
Royale	7
Toronado	19
88	5
98	23
Unspecified	51
PUEGOT	
Unspecified	9

PLYMOUTH	
Champ	7
Colt	15
Duster	8
Fury	9
Horizon	50
Reliant	64
Sundance	12
Turismo	16
Valiant	5
Volare	29
PONTIAC	
Bonneville	31
Catalina	6
Fiero	42
Firebird	77
Grand Am	24
Grand Prix	59
J 2000	6
Lemans	35
Phoenix	19
Sunbird	26
Trans Am	39
6000	21
Unspecified	29
PORSCHE	
Unspecified	6
RENAULT	
Alliance	23
Le Car	7
Unspecified	10
SAAB	
900	13
9000	6
Unspecified	11
SUBARU	
GL	23
Unspecified	29
TOYOTA	
Camry	21
Celica	58
Corolla	88
Corona	6
Cressida	11
MR 2	10
Pick-Up	27
Supra	12
Tercel	54
Unspecified	55
VOLKSWAGEN	
Beetle, Bug	22
Dasher	8
Jetta	23
Rabbit	41
Scirocco	6
Van	7
Unspecified	31
VOLVO	
Unspecified	22
YUGO	
GV	7